

Allen County HamNews

Fort Wayne Radio Club

Allen County Amateur Radio Technical Society

March 2007

Volume 8 Issue 3

Grab & Go Emergency Communication Station - Joseph Lawrence, K9RFZ

Part 1

I believe when the FCC defined the basis and purpose of the amateur radio service, it listed first "Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications" to emphasize this role for amateur radio operators as a top priority. I joined the Fort Wayne Radio Club after volunteering as a safety communicator during the IPFW Heart Walk last Fall. I hoped to find other amateur radio operators who take the emergency communications responsibility seriously. At the same time, I recognized that my HT might be fine for small public service events on foot, but it would be inadequate if a regional emergency occurred. I began the project of building a portable and robust emergency communication station that could serve as a mobile or base station depending on the assignment.

Before any equipment was purchased, I considered several desirable design features I wanted in the EmComm portable station.

- 1) Lightweight enough to carry in one hand
- 2) Durable enough to resist weather and heavy handling



- 3) Interoperable with other emergency communication stations
- 4) Enough ERP to cover all of Allen County on simplex
- 5) Dual band coverage on local repeaters
- 6) Provision for external speaker and headphones
- 7) Flexible mounting arrangement for equipment to allow later modification
- 8) Ability to monitor station SWR and external battery capacity
- 9) Easily accessible over-current protection
- 10) Digital mode capability (optional)

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Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN) and the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN).

Please send any articles, corrections, for sale notices, etc. to the editor, Victor Guess, WB9UZA, wb9uza at arrl.net. Please put "for newsletter" in the subject line. Text should be plain ASCII, graphics should be JPEG or GIF. For those computer impaired: snail mail to 3311 Sanibel Drive, Fort Wayne, IN, 46815-4755.

**Deadline for April issue is Friday, 4/6/07.
Please do NOT send anything in all caps!!**

Internet Home Pages:

Fort Wayne Radio Club:
<http://www.fortwayneradioclub.org>

ACARTS:

<http://www.acarts.com>

Ft Wayne DX Association:

<http://www.qsl.net/fwdxa/>

Hamsplatter

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President's Corner



As I put the finishing touches on this month's article, it's still cold and windy. It is March and snow is on the ground. However, I do see patches of brown meaning the snow is melting and soon it will be warm again. We have weathered the winter pretty well. The last ice brought down one leg of my dipole, but it was an easy fix and I'm back on the air. Hopefully, all of you have also spent some time in front of the radio these past weeks.

We had an excellent crowd at the NWS SKWARN training last month. Our thanks to Blackhawk Ministries for providing the room for the training and to the NWS for another excellent presentation. Hopefully, our spotter services won't be needed for any severe weather this year. Chances are, however, they will be and these trained spotters will be the eyes of the NWS on the ground. Thanks to all of you who participated for taking the time to train for this important activity.

The presentation topic at the March meeting will be on CW operations. Morse code has obviously been a topic of discussion the past couple of months since the FCC dropped the Element 1 requirement for licensing at all levels. I have been encouraged by the chatter on the air. Rather than hearing a lot of negatives relating the decision, I have heard many operators still wanting to pursue the mode. We still have the CW on the Air opportunity every Sunday and Wednesday evening. The club presentation will feature a couple of very proficient operators demonstrating proper procedures and giving hints on operations involving this mode. Our thanks to Larry (KB9OS) for coordinating this presentation for the meeting.

We are also looking forward to the April meeting. The topic of that meeting will be Emergency operations. This should be an excellent and timely presentation as we move in to our severe weather season. Although the plans have not been finalized, the presentation will include demonstrations of some equipment designed for portable emergency operations and hopefully, some discussion of the Allen County Emergency Communications Plan. Be sure to put this meeting on your calendar.

Speaking of calendar, be sure to circle the 4th weekend in June, June 23 and 24th. That is Field Day weekend. (Hard to believe it seems right around the corner) The board has once again reserved the Girl Scout Camp for this activity this year. We continue to investigate other sites but still find the Girl Scout facility fitting almost all of our requirements. The only thing lacking in choosing this site is easy access to us by the general public. Although we always get some press for this event, talk Field Day up at work and with your friends and neighbors. I know at my employment, many of my co-workers have wanted to know what amateur radio is all about. Make that personal invitation to them to come out and see for themselves.

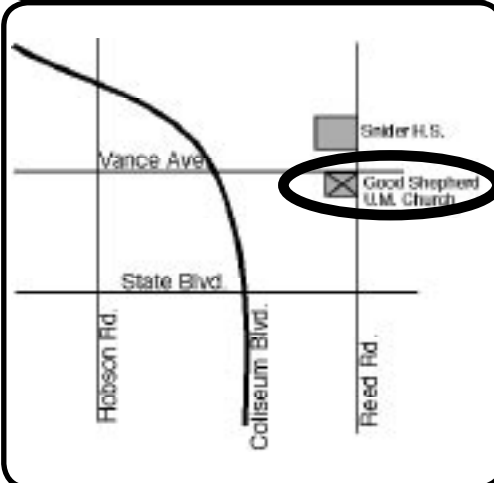
That's about it for this month. Last night Vic (WB9UZA), my wife Melodie (KB9YWG) and myself represented the club and manned the telephones for the PBS39 fund raising effort. Victor Borge and The Rolling Stones were quite a combination but we were very successful and had a lot of fun!

73 de Jim, KB9WWM

March Meeting

Fri., Mar. 16, 7:00 PM

CW Operations



2007 Storm Spotter Training

A nice turnout at the storm spotter training session. Thanks to the Fort Wayne Radio Club for hosting this year's training. Mike Sabones - who is the Meteorologist-In-Charge at NWS North Webster - gave a very informative presentation which included some new research information on thunderstorms. It was rather ironic talking about severe thunderstorms when the temperature outside was near 10 degrees and plenty of snow on the ground.

One of the more interesting facts Mike passed along was that Indiana led the nation in weather-related insurance claims in 2006 at nearly \$1.5 billion. Most of the damage was caused by a series of hailstorms which struck central Indiana in March and April. The severe weather problem in Indiana last year was not tornadoes - it was hail and straight-line winds. That is normal, except in years with a major tornado outbreak (Palm Sunday 1965 and Super Outbreak in 1974).

One last reminder about the advanced spotter training on March 10 at Elkhart Central High School. You can go to www.imoskywarn.org for more information and a registration form.

Here we go with the annual post-training quiz. All of this information was presented at the training session. See how many questions you can answer correctly:

1. The most common structure for severe thunderstorms in our area is the multi-cell thunderstorm. In what part of the storm do the damaging winds occur?
2. If you observe a thunderstorm with an overshooting top, why should you be concerned? Are you in any immediate danger?
3. What is a derecho? Is it common here?
4. At what time of day does a Mesoscale Convective System occur? What is the main characteristic of an MCS?
5. We were introduced to a new type of tornado that forms from wind boundaries, and grows from the ground up during the cumulus (or growth) stage of a thunderstorm. What is the name of this phenomenon? Why is it so difficult for the National Weather Service to issue a warning for this type of tornado?
6. We all know bow echoes can produce damaging straight-line winds. What else should we be aware of?
7. What are the four wind characteristics of all thunderstorms? (This is a tough question!). How do these relate to tornadoes and straight-line winds?

Here are the answers:

1. At the leading edge. Be especially cautious if there is a roll or shelf cloud present.
2. An overshooting top indicates a very strong updraft within the thunderstorm; therefore the storm has a good possibility of becoming severe. Since an overshooting top is at the upper levels of a thunderstorm and can only be seen from 30 or 40 miles away, you are not in any immediate danger.
3. A derecho is a long-lived damaging wind event. The thunderstorms can hold together for many hours and travel hundreds of miles, causing a family of downbursts. Derechos are very common in our part of the country; we tend to get such events from late June through August.
4. Mesoscale Convective Systems tend to form at night; the squall lines and supercells during the day and evening weaken from the loss of daytime heating and form an MCS. This type of system is generally a heavy rain event, but there can still be some lingering severe weather.
5. Landspout. Why so hard to warn? Since a landspout occurs during the cumulus stage of a thunderstorm, radar echoes are very weak and would not indicate any type of severe weather was occurring. Also, a landspout generally develops from the ground up. Because of the curvature of the earth, the radar beam cannot scan at ground level, so the Doppler capabilities of the radar would not show any rotation (this is why "ground truth" spotter reports are so valuable!).
6. Tornadoes can occur at the northern edge of the bow, which is generally referred to as the bookend vortex.
7. Inflow, updraft, downdraft, outflow. Tornadoes generally occur in the updraft at the rear of a thunderstorm cell; straight-line winds occur in the outflow at the front of a squall line.

Thanks again to all who attended this year's training, and thank you for your reports during the year. Mike emphasized how critical some of those reports can be. If you were unable to attend the Allen County training, please check the NWS website for dates, locations, and times of other training sessions.

Even though last year was a quiet year for severe weather in our area, we can't let our guard down. As previously mentioned, a series of hailstorms struck central Indiana, and 17 tornadoes touched down in western and central Ohio last year, which is significantly higher than normal.

from Joel KB9RH



STATE OF THE ARTS

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President's Message



I was hoping that we could get away with very little snow this winter. But that was not to be. We really got dumped on. But it was nowhere near the great blizzard of 1978. It was also mild in temperature until February. Even with the snow and cold, our thoughts turned to the severe weather that may be upon us this spring and summer. Last month we had our annual Skywarn training. It was well attended, and there were some new videos in the presentation. Remember that during an activation of the Skywarn Net, It is a directed net under the control of a net control. This means that all traffic on the frequency goes through the person who is the net control. When reporting an event, keep it short and to the point. If you want to talk to someone, ask the net control for permission to contact someone. Then take your conversation to another frequency. The most important thing to remember is to be safe. Be aware of your surroundings and where the storm is heading. We do not want to read about you becoming a storm statistic. If you were at the training, you saw some good examples of things not to do.

Details of our spring banquet have been finalized. The banquet will be on April 17, 2007. It will be at the Golden Corral on Lima Rd. The starting time is 7:00 PM, and the club will pay for the cost of the meal. Reservations are required, as I need to know how many people we need them to set up for. Deadline for making reservations is April 13, 2007.

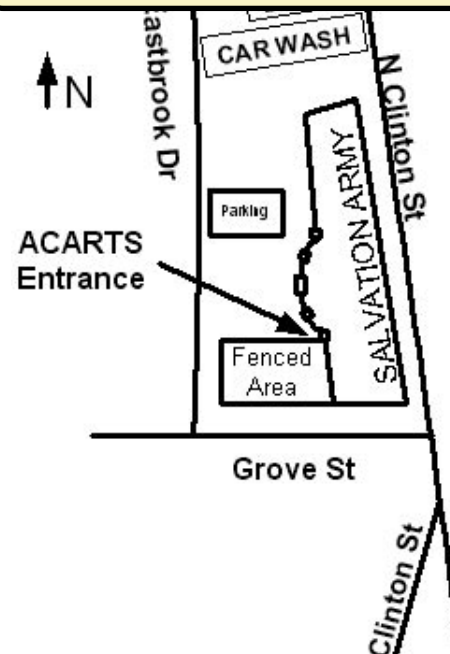
The program for March is a video about antennas from the ARRL library. The full title is "Everything You Always Wanted To Know Antennas...But Were Afraid To Ask". I recently purchased several videos from the ARRL to use as programs, and there are several that are interesting and informative. That is all I have for this month. Hope to see you all at the meeting. Come and learn about antennas.

73,
Vic, KA9LTV

Meeting Schedule

General Meeting: Mar. 10, 7:30 PM. - Antennas

Next Board Meeting: Mar. 13, 7:30 PM All members are encouraged to attend.





Application Avalanche Under Way As New Codeless Testing Regime Ramps Up

from *The ARRL Letter* – The avalanche of Amateur Radio license and license upgrade applications prompted by the FCC's elimination of Morse code as a licensing requirement is well under way with no end in sight. ARRL VEC Manager Maria Somma, AB1FM, reports that paperwork from upward of 450 Amateur Radio exam sessions, most held since the new rules went into effect February 23, arrived this week, more than her department sees in a month under "normal" circumstances. The ARRL VEC has had to add personnel and schedule extended hours to keep up with the workload.

"We've been seeing some of the largest brand-new Technician sessions ever," Somma said. "These examination sessions are huge, and a ton of new Technician license applications has been coming in -- sometimes 60 or 70 at a clip." Somma says license upgrade traffic also has been brisk, and, with some 650 examination sessions already on the calendar for March and more arriving daily, it doesn't look like the pace will slacken anytime soon.

New Amateur Radio rules are driving the demand for new licenses and upgrades. Effective February 23, the FCC no longer requires Amateur Radio applicants to pass a Morse code test to earn operating privileges below 30 MHz. As of the same date, Technician licensees who never passed a Morse code test gained new CW privileges on 80, 40 and 15 meters and new CW, RTTY, data and SSB privileges on 10 meters. Since the Technician ticket has not required a Morse code test since 1991, most current Technician license holders will face a learning curve to take advantage of their new CW privileges. As of February 25, there were approximately 324,200 Technician licensees in the US -- more than any other license class.

Technicians may begin using their new privileges without having to apply for them. No other license class acquired new privileges as a result of the new rules that went into effect February 23, however. All license upgraders must first apply at an examination session, pay any application fee and either successfully pass the appropriate written test or present valid exam element credit.

ARRL VEC personnel must go through "every single piece of paper" that arrives from an examination session, Somma explained. Before keying application

data directly to the FCC's licensee database, the staff must make sure that session paperwork is in order, each application is filled out correctly and signed and any element credit is attached. If an applicant took an exam element, ARRL VEC must ensure that the test questions came from the correct question pool and that the applicant indeed passed. She said it typically takes up to 90 seconds for staff members to key in an application for a new licensee, but only about 30 seconds in the case of a license upgrade.

Among the growing stack of incoming paperwork February 28 was a package from a session held in the Bahamas for 56 US citizens -- more than likely retirees and members of the cruising and sailing communities in the Caribbean. Somma said it included applications for 12 new Technician licensees. The rest were upgrades.

Normally with a staff complement of six, ARRL VEC now has as many as eight full-timers plus three part-timers to handle the rush. Somma says her team by and large has been able to review each application and transmit license and upgrade application data to the FCC within three or four days of receipt. She also had words of praise for the Volunteer Examiner (VE) teams.

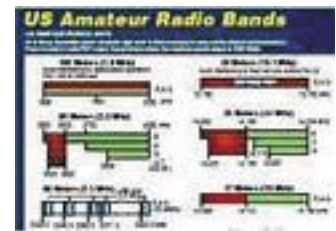
"I want to thank the VEs," Somma said. "Most of the paperwork is neat and orderly, and this makes it easy for us to just key it to the FCC." She did caution VEs to make sure they include any proof of prior element credit -- usually a Certificate of Successful Completion of Examination or CSCE -- when submitting applications.

Some VE teams have been sharing observations and photos from their examination sessions. "We're enjoying those," Somma said. "Keep 'em coming."

Revised ARRL Band Chart Available

from *The ARRL Letter* – A new ARRL band chart reflecting all recent changes to the FCC Amateur Radio Service rules as of February 23, 2007, now is available for downloading on the ARRL Web site in either black and white or color versions <<http://www.arrl.org/FandES/field/regulations/bands.html>>.

Created by ARRL Senior Technical Illustrator, Dave Pingree, N1NAS, the attractive new chart represents a major change from earlier designs. This is the same chart featured in the eight-page "Welcome" tear-out section in March QST (following page 48). The entire QST tearout also is available for downloading in PDF format <<http://www.arrl.org/HFWelcome/Welcome.pdf>>.





Ft Wayne DX Association

**The DXCC List
Carl Luetzelschwab
K9LA**

The August 2003 column reviewed accessories to help you with DXing. One of the accessories briefly mentioned was the DXCC List. Let's take a closer look at it to see what it offers.

The official title of this publication is The ARRL DXCC List. The revision level, in terms of a date, is prominent on the front. As I write this, the current revision is January 2007.

The first several pages are devoted to the DX Century Club Rules. Right at the top of the first page is the number of Current Entities (presently 337). Section I covers the basic rules - what awards are available, ethics, fees, etc. Section II covers the requirements for becoming a DXCC entity - this is very interesting reading and often will require you to dig into your history memory for specific entities. Section III discusses how one gets credit for operating from a DXCC entity (mostly applicable to the more rare entities). Section IV reviews field checking of QSL cards, and towards the end of the publication is a list of the current DXCC Card Checkers.

The meat of the DXCC List is the list of Current Entities, with important notes for specific entities at the end. The accompany image shows an excerpt from this list. In addition to the prefix, name, continent (for the WAC award, for example), ITU zone (for operating in the

IARU contest in July, for example) and CQ zone (for the WAZ award and for operating in contests sponsored by CQ), the list includes spaces for manually tracking your DXCC progress (as mentioned in the August 2003 column).

Following the Current Entities list is the Deleted Entities list. These are political or geographical entities that no longer exist (Trieste, for example, as discussed in the August 2004 column). The current number of Deleted Entities is 58. There are important notes following this list, too.

After the Deleted Entities list is a helpful prefix cross reference, the members of the DX Advisory Committee, a discussion of the ARRL Incoming QSL Bureau System and the Outgoing QSL Service, and a list of the international call sign allocations (very helpful when an H3 station shows up - where's he located?).

Earlier I mentioned that there are 337 Current Entities and 58 Deleted Entities. What that means is if you've been on the air since the beginning of the DXCC program, you could have worked 395 entities. No one has all 395, but there are five gentlemen who are at 390 and above. They are W0BW (390), KH6CD (390), W2BXA (391), W7KH (392), and K6ZO (393). When this piece of information showed up in W3UR's The Daily DX, I passed it along to fellow FWDXAers. Gary KC9GGV then checked the ages of these gentlemen. The youngest is 86 (W7KH) and the oldest is K6ZO (92).

So if you're chasing DXCC, the DXCC List will be very helpful. It's available from the ARRL for \$5.95.

Prefix	Entity	Continent	ZONE		IARU	PHONE	CW	RTTY	SAT	160	80	40	30	20	17	15	11	
			ITU	CQ														
C5*	The Gambia	AF	46	35														
C6*	Bahamas	NA	11	08														
C8-9*	Mozambique	AF	53	37														
CA-CE**	Chile	SA	14,16	12														
CE0**	Easter I.	SA	63	12														
CE0**	Juan Fernandez Is.	SA	14	12														

Summits on the Air Comes to the US

from *The ARRL Letter* - The "Summits on the Air" (SOTA) <<http://www.sota.org.uk/>> mountain-topping radio operating award program starts March 1 in New York and New Jersey. It's being launched with a partial summit list under the leadership of Andrew Pepper, KC2EUS. He notes that no summits have been listed to date in New Jersey. SOTA encourages Amateur Radio

activity from the summits of hills and mountains at least 150 meters above the surrounding terrain in countries around the world. "Chasers" working SOTA stations also are eligible for award points. There's more information on the SOTA US Region Web site <<http://www.kc2eus.org/sota/>>. Originating in the UK, SOTA already has gained a foothold in Ireland, Germany, Greece, Switzerland, South Africa, Austria and Hungary.

Indiana Section News for January 2006



The following Amateur Radio Operator became a Silent Key (SK) during January: Betty A Martin KE8SP, Indianapolis, January 11. She will be missed

In his monthly report, SEC David Pifer N9YNF again reports that FEMA is requiring all emergency responders, regardless of their volunteer or career personnel status, to complete the NIMS implementation and Training Requirements as outlined in the FY2006 implementation and Training Guidance released in Fall 2005. At a minimum all personnel with a direct role in emergency preparedness, incident management or response must complete this training, IS-700 NIMS. This makes it necessary to require all ARES personnel who report or work on scene with emergency management and responders to have the NIMS training.

The ARRL recently released the National Emergency Response Planning Committee report. This report covers a number of issues, but most notable is the National Database of ARES volunteers. Only with this type of Database will we be able to track our Certifications and capabilities. Dave has been given a sneak-peek into the Arizona Section Membership Database (as seen in QST), and hope to have some good information about the inner workings. Whether or not we will start an Indiana Section database will depend on the timing of the national database.

From the field: There is a lot of planning and training going on within the Section. All active EC's have a SKYWARN weather spotter session planned for their individual counties. There is an all-day Advanced SKYWARN training session scheduled in Elkhart on March 10th. For more information, go to: <http://www.imoskywarn.org/> and click on the links for complete information, and registration.

Vern NA9L, Indiana STM, reports that Don Evilsizor KA9QWC received an "award" for being a good operator. Don was spotted while running the Indiana Traffic Net . The "award" was sent to Don by an Official Observer. Congratulations Don,... O.O. remarks (NTS traffic handling is a time honored operation on amateur radio. Thanks for keeping up the tradition and learning to move communications via ham radio. Keep up the good work.).

John Wallace AB9AA, NCS for ITN, had 60 checkins on January 23. Scott Taylor KB9SOE, NCS, had 61 checkins on January 28. It is nice to know that with this number of checkins, that traffic can be moved to almost anywhere in Indiana, if the occasion should arise. If your county doesn't have at least one individual who can come to the ITN, then perhaps some recruiting may be in order. Our Section Traffic Manager expresses his thanks to all who participate in the Indiana Traffic Net. ITN will be a major avenue of communication during a disaster or wide-spread communications emergency.

The following VHF/UHF Net Managers reported their net's activity during December: KC9BHI, N9ZMY, WD9HTN, KB9UAG, WA9PSV, KF9EX, WB9RVN, NA9L, WD9BKA, WB9NCE, WR9G, KA4HWX, W9THD, and KA9QWC. If your net manager's callsign does not appear here, then no report of your net's activity was sent to John Kinley KC9BHI, Indiana Section VHF/UHF Net Manager < kc9bhj@arrl.net > Please be certain to report your VHF/UHF net activity to him.

January Section Net Activity:

NET	FREQ	DAILY TIMES (UTC)	QNI	QTC	QTR	SESS
ITN	3910KHz	1230/2030	3058	150	1345	62
QIN	3535KHz	1330/2300	189	123	969	56
ARES	3910KHz	4TH SUN/MO @ 1200Z	7	0	14	1
HOOSIER VHF NETS 16 REPORTING			1117	17	1699	82

January ORS Traffic Reports: K9PUI 134, K9GBR 110, NA9L 73, W9PC 21, AB9AA 16, KA9QWC 12, N9HM 8, WB9NCE 6.

73,

ARRL Indiana Section
 Section Manager: James S. Sellers, K9ZBM
 k9zbm@arrl.org





E-comm Station, cont'd from pg. 1

I reviewed several webpages of different ARES/RACES groups across the country to see what equipment they recommended and were using. A few sites showed designs for portable communication stations and so I culled the best ideas from several sites and molded them into my final design.

I settled on the Icom 208H dualband transceiver for the heart of the station. Several ARES groups listed this transceiver among their equipment. In particular, one North Carolina County owns two units and has plans to buy two more in 2007. I figured if they didn't like the IC-208H, they wouldn't be buying two more. This transceiver covers 2 m and 70 cm with a no frills display and simple programming sequences with 500 memory channels. The control head detaches and the interface cable is included. It packs 3 power settings of 5 W, 15 W, and 55 W on 2 m (50 W on 70 cm wow!). Since I planned to mount the transceiver in a box, provision for cooling the unit was a concern. The IC-208H has a cooling fan mounted on the rear connector panel so no auxiliary fan is needed. Also, the IC-208H is packet capable at 1200/9600 BPS.

For the station box, I chose the largest hunter's dry box, the SPUD 7 made by MTM Case-Gard. This box was used in two different ARES "Go Boxes" described online. Sinclair International in New Haven carries the camouflage style in stock, but I wanted the special order orange style to stand out in an emergency situation. This box is 18.25" x 13" x 15.25" (L,W,H) with an O-ring seal around the lid. A flip top storage compartment built into the lid can hold small tools, pens and pencils, or the rig microphone. It has a sturdy carrying handle that stows recessed in the lid. The lid hinges are durable plastic and can be released to completely remove the lid from the box

To meet my design requirement for flexible mounting options, I chose to build a form-fitting frame using 80/20 extruded aluminum sections. I've used this material in other projects and found the T-channels convenient for structurally interlocking the frame and also allowing adjustable mounting of components. A #10 square nut slides easily without rotating in the T-channel of the 1" x 1" 80/20 stock. Proper length #10 screws can capture the square nut and pull it tight against the channel top. 'L' and 'T' brackets connect the frame members on the underside. I used four bolts through the box sides to fasten the frame in the box. Wing nuts on two of these bolts allow for field removal so the frame can be pivoted up for underside access. I purchased the 80/20 extruded aluminum and all aluminum parts for this project from the Metals Supermarket located behind Meijers on Lima Road. This store is a metal builder's paradise since they have many small end drops and no cutting charge.

Look for Part 2 in the April ACHN.



Test Points

12-Apr-2007
 Sponsor: GOSHEN ARC
 Time: 7:00 PM (Walk-ins allowed)
 Contact: PAUL F COREY
 (574)262-4414

Email: K9MV@ARRL.NET
 VEC: ARRL/VEC
 Location: GREENCROFT RETIREMENT CENTER
 HOMAN BUILDING
 GREENCROFT BLVD
 GOSHEN, IN 46525

22-Apr-2007
 Sponsor: UNSPONSORED
 Time: 2:00 PM (No walk-ins)
 Contact: ROBERT E HIGH
 (419)795-5763
 VEC: ARRL/VEC
 Location: VAN WERT COUNTY EMA
 1220 OLD LINCOLN HWY
 HOMELAND SECURITY BUILDING
 VAN WERT, OH 45891

28-Apr-2007
 Sponsor: W5YI-VEC -- WHITLEY COUNTY ARC
 Time: 7:00 PM (Walk-ins allowed)
 Contact: ROGER L MC ENTARFER
 (260)503-9008
 Email: N9QCL@ARRL.NET
 VEC: W5YI VEC
 Location: PEABODY LIBRARY
 1160 E STATE ROAD 205
 COLUMBIA CITY, IN 46725

23-Jun-2007
 Sponsor: UNSPONSORED
 Time: 2:00 PM (No walk-ins)
 Contact: ROBERT E HIGH
 (419)795-5763
 VEC: ARRL/VEC
 Location: VAN WERT COUNTY EMA
 1220 OLD LINCOLN HWY
 HOMELAND SECURITY BUILDING
 VAN WERT, OH 45891

For Sale & Wanted

Wanted: Tube type amateur radio gear and related accessories that might be suitable for restoration, use, & display. Need not be working, but all the parts should be there. Father & Daughter would like to start our own mini-museum. Ron Hensel, K9ZE, K9ze@aol.com, 260-622-7040



Don't Kill Your "Kill-A-Watt"

If you have one of the Kill-A-Watt power monitors never use it on inverter supplies or inverter/generator combinations. It seems the high harmonic content of these power sources will fry the innards of the Kill-A-Watt monitor. For more a in depth explanation see pg. 67 of the March 2007 QST.

2007 Foxhunt Schedule

Jan-No Hunt
 Feb 11 1:30 PM
 Mar 4 1:30 PM
 April 2 6:30 PM
 May 7 6:30 PM
 June 4 6:30 PM
 July 2 6:30 PM
 Aug 6 6:30 PM
 Sept 10 6:30 PM
 Oct 1 6:30 PM
 Nov 4 1:30 PM
 Dec-No Hunt



All foxhunts start at off track betting parking lot, Washington Ctr. & Lima Rds.

Carl, N9NRO

Regional Hamfests

Date	Location	Contact Phone	URL or E-mail
10 Mar 2007	Terre Haute, IN	812-939-3110	http://W9UUU.org
30-31 Mar 2007	Milwaukee, WI	414-375-1162	http://www.aesham.com
15 Apr 2007	Peru, IN	765-517-1581	http://www.ncihamfest.com
21 Apr 2007	Highland, MI	810-632-5174	http://www.qsl.net/w8ydk
29 Apr 2007	Sandwich, IL	815-895-3219	http://www.kish-club.org
18-20 May 2007	Dayton, OH		http://www.hamvention.org/

For more complete information go to <http://www.acarts.com/hamfests.htm> or <http://www.arrl.org/hamfests.html#listing>



Ed Metzger, W9PRN, SK

QST de W1AW
Special Bulletin 1 ARLX001
From ARRL Headquarters
Newington CT February 28, 2007
To all radio amateurs

SB SPCLARL ARLX001
ARLX001 ARRL Honorary Vice President,
Past Director Ed Metzger, W9PRN, SK

ARRL Honorary Vice President and Past Central Division Director Edmond A. "Ed" Metzger, W9PRN, of Springfield, Illinois, died February 26. He was 93. An ARRL Charter Life Member, Metzger spent more than half his life serving the League in a variety of capacities. ARRL CEO David Sumner, K1ZZ, said he believes the highlight of Metzger's five decades of service to the ARRL was his chairmanship of the Administration and Finance Committee.

"Ed's professional expertise, love of Amateur Radio and the ARRL, and plain common sense combined to enable him to make a unique contribution in that role," Sumner commented.

Licensed in 1941, Metzger began his lengthy League service in 1957, when he became Illinois Section Communications Manager (now Section Manager), a post he held until 1980. From 1965 until 1981, he also served as ARRL Central Division Vice Director. He became Central Division Director in 1981. That same year, the ARRL Board of Directors elected Metzger as an ARRL Foundation Director, and he subsequently served as the Foundation's president from 1993 until 2001, when Dick Isely, W9GIG, succeeded him as Director. The ARRL Board of Directors in 2001 named Metzger an ARRL Honorary Vice President. He also was ARRL Foundation President Emeritus.

Metzger was a member of the Sangamon Valley Radio Club and the Quarter Century Wireless Association, and he was a regular at the annual W9DXCC gathering in Chicago.

A graduate of Springfield Junior College, Metzger also attended Lincoln College of Law in Springfield. He was comptroller for Kerasotes Theatres for more than 50 years.

Survivors include two sons -- Ed, NL7LJ, and William, and three daughters -- Margaret, Molly and Lisa.

Visitation is Wednesday, February 28, 5-8 PM, at Kirlin-Egan and Butler Funeral Home, 900 S 6th St, Springfield. Funeral mass will be held Thursday, March 1, at 10 AM at Cathedral of the Immaculate Conception, 524 E Lawrence Ave, Springfield.

The family invites memorial contributions to the Edmond A. Metzger Scholarship, c/o The ARRL Foundation, ARRL, 225 Main St, Newington, CT 06111.

IRCC Technical Excellence Award Nominations

Spring is almost here and it's time for all Indiana amateur radio clubs and organizations to consider one of their own as a nominee for the 2007 IRCC Technical Excellence Award.

For the past six years the Indiana Radio Club Council has selected one Hoosier Amateur Radio Operator to receive this prestigious award during the July Indianapolis Hamfest at Camp Sertoma.

To nominate an individual for this award send a detailed explanation of how this person uses their technical abilities to help their club, community or other amateur radio operators. This award is for the unsung heroes that continue to give of their time, talents and technical expertise to make a difference in amateur radio. Please be as detailed as possible when writing the candidates qualifications. Remember the committee will only have what you have written on which to evaluate the nominees.

Entries will be judged on technical ability, hours of contribution, individual or organization served and extent of contribution (s). Emphasis on these areas will assist the committee in their evaluations. Include an e-mail address for both the honoree and submitting author so we may notify all individuals.

Deadline for entries is Midnight Friday June 8, 2007. E-mail your entry to: w9eeu@arrl.net or pgadams@aol.com

The Technical Excellence Award will be presented July 7th at the Indianapolis Hamfest. Get your nominations in for those deserving individuals.

Our committee looks forward to hearing from you.

Gary Adams W9EEU
IRCC Vice-Chairman

THE 2007 ADVANCED SKYWARN TRAINING is Saturday, March 10, 2007 at Elkhart Central High School. Download the flyer <http://www.imoskywarn.org/IMO_flyer_07-b.pdf> and registration form <http://www.imoskywarn.org/2007_IMO_reg-form2-M1.pdf>.

Membership Application for ACARTS - and/or - FWRC

Name: _____ Call sign: _____ License class: _____

Street address: _____ City: _____

State: _____ ZIP : _____-4 _____ Phone #: (_____) _____- _____ Unlisted? Yes

Email address: _____ ARRL Member? Yes

(ARRL membership helps your club maintain affiliation.)

May we list your name, call & email address in our membership roster and on our club web site? Yes No

Both clubs now offer this newsletter as a downloadable (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. For FWRC a mailed paper newsletter is a \$12.00/yr. premium.

How would you like your newsletter delivered? by snail mail download from web site.

A.C.A.R.T.S. Dues

- Regular membership \$12.00 / year
 - Additional family members ¹ \$6.00 / year
 - Student membership ² \$6.00 / year
 - Associate membership ³ \$6.00 / year
- (New Regular memberships are \$1/month)

Fort Wayne Radio Club Dues

- Regular membership \$15.00 / year
 - Family membership ¹ \$21.00 / year
 - Student membership ² \$6.00 / year
 - Associate membership ³ \$15.00 / year
 - Mailed newsletter premium \$12.00 / year
- (Memberships for Jul - Dec are 1/2 the stated amounts.)

1. Please list all names and calls on an attached sheet.
2. K-12 or full time student

3. unlicensed member
4. 9 digit ZIP code required for US bulk mail

Please attach a check (number _____) for the appropriate amount and bring to a club meeting or mail to:

ACARTS
PO Box 10342
Fort Wayne, IN 46851

Fort Wayne Radio Club.
PO Box 15127
Fort Wayne, IN 46885

For dual membership, fill out both sides and send 2 checks to either club. **Payment by check is strongly encouraged!**

ACARTS Voice Repeaters

- 146.880 (-) General use / Skywarn priority
- 147.255 (+) General use / Autopatch priority*
- 443.800 (+) General use

(All repeaters have autopatch, but 88 has only speed dial emergency #'s.)

ACARTS Digital Repeaters (digipeaters)

- 144.390 (s) APRS - wide

Fort Wayne Radio Club Repeaters

- Voice: 146.76 (-) General use
- 146.94 (-) General use with autopatch
- 146.91 (-) EchoLink connection repeater
Node number 16636
- 444.875 (+) General use
- ATV: 439.25 In, 910.250 Out, 144.340 Audio & control

Area Traffic Nets

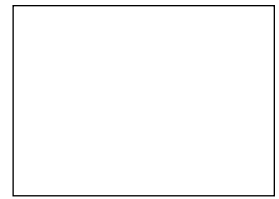
(please submit any changes or corrections to the editor)

- IMO:** meets nightly at 6:30 p.m. on 146.88-
- Tri State Two Meter Net:** meets daily at 7 p.m. on 147.015+
- 21 Repeater Group:** meets each Wednesday at 9 p.m. on 147.150
- Help and Swap Net:** Mondays at 8:30 p.m. 146.94(-)
- 6 Meter SSB/AM Net:** 2nd & last Tuesday of the month at 8:00 pm
EDT or EST on 50.580 MHz Net controls: K9RFZ & W9SAN

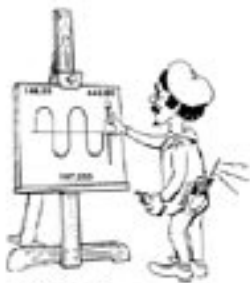
Miscellaneous Nets

- Huntington ARES:** Saturday at 8:00 p.m. on 146.685
- Whitley Co. / ARES:** Wednesdays at 7:15 p.m. on 145.270 (Note 131.8 PL disabled for all nets)
- Whitley Co. Sunday:** Sundays at 7:45 p.m. on 444.550 +. (The 146.460 simplex crossbanding from both nets has been dropped.)
- 160 Meter "No-Name" Net:** Sunday and Wednesday nights at 8:00 PM Indiana time. On 1966 kHz. Everyone welcome!

Allen County HamNews
 PO BOX 10342
 FORT WAYNE, IN 46851



TO:



WGIX/R



Activities Calendar

Date	Time	Event	Place
3/6/07	7:00 PM	FWRC Board Meeting	GSUMC
3/10/07	8 AM-4 PM	Advanced SKYWARN training	Elkhart Central H.S.
3/13/07	7:30 PM	ACARTS Board Meeting	Salvation Army Center
3/16/07	7:00 PM	FWRC Meeting	GSUMC
3/20/07	7:30 PM	ACARTS General Meeting	Salvation Army Center
4/2/07	6:30 PM	Foxhunt	off track betting parking lot, Washington Ctr. & Lima Rds.
4/6/07	---	deadline for Apr. ACHN items	
4/10/07	7:00 PM	FWRC Board Meeting	GSUMC
4/10/07	7:30 PM	ACARTS Board Meeting	Salvation Army Center
4/17/07	7:00 PM	ACARTS Spring Banquet	Golden Corral on Lima Road
4/20/07	7:00 PM	FWRC Meeting	GSUMC
4/27/07	---	deadline for May ACHN items	
5/1/07	7:00 PM	FWRC Board Meeting	GSUMC
5/7/07	6:30 PM	Foxhunt	off track betting parking lot, Washington Ctr. & Lima Rds.
5/8/07	7:30 PM	ACARTS Board Meeting	Salvation Army Center
5/11/07	6:00 PM	FWRC Spring Banquet	GSUMC
5/15/07	7:30 PM	ACARTS General Meeting	Salvation Army Center